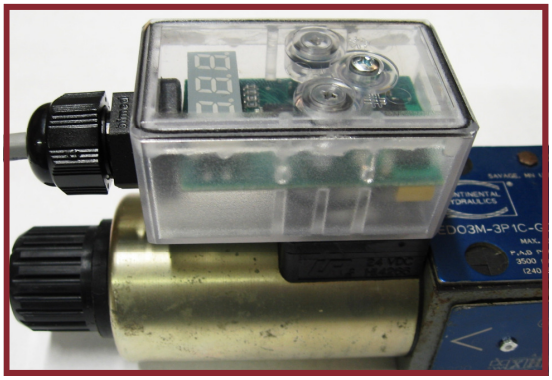
Wireless or Wired Valve Control

Benefits and Features:

- ⇒ Versatile Digital Design
- ⇒ Easy-To-Use adjustments and 3-Digit Seven-Segment LED display
- ⇒ Completely Sealed even during Set-Up
- ⇒ Electronic Limiting Circuit/ Short Circuit Proof
- ⇒ Load can be Connected & Disconnected Live
- ⇒ Protected against Wrong Connection
- ⇒ Simple Control with 2 Digital Inputs
- ⇒ Energy Efficient PWM Circuit, no heat sink is required
- ⇒ Current Sensing maintains Output regardless of changes in Supply Voltage and Coil Resistance
- ⇒ Thick Wall, Sturdy Housing made of Flame Retardant Plastic UL94-VO
- ⇒ Mounting: DIN 43650-A/ISO 4400 Solenoid or Adapted to other Coil Types
- ⇒ Easy Troubleshooting

Digital Proportional Valve Driver

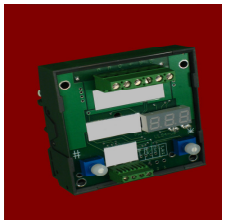
Copley Controls Corporation



RH-0608

RH-0608SP/2

RH-0608DIN+C



RH-0608DR/2

Alternative Mounting Options

PO Box 4466,
Akron, OH 44321

Phone: (330) 666-8174
Fax: (330) 666-3764
Email: dperrine@copleycontrols.net
Website: www.copleycontrols.net

RH-0608, Proportional Valve Driver. Direct DIN Solenoid Mount, 2m Cable

(Shown on Reverse Side)

Specifications:

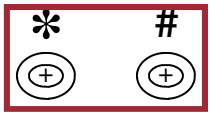
Operating Voltage: 9-35VDC
Maximum Output Current: 3A
Ramp Time: 0.0 to 99.5s
Linearity: 0.5%
Protection Grade: IP67 **
Input Signals: Two Digital (On/Off)
PWM/ Dither Frequency: 50-500Hz
Operating Temperature: -40° to 75° Celsius
-40° to 167° F

Settings & Range:

Jg: Jog, Manual Override, in Amps
HI: High Setting, in Amps
LO: Low Setting, in Amps
P3: Reserved
P4: Reserved
UP: Ramp Up, time required for the output to Increase 1A,in seconds
dn: Ramp Down, time required for the output to decrease 1A, in seconds
dF: Dither Frequency, in Hz
di: Display Orientation, Normal or Up-Side-Down
SA: Save Settings

***** When properly assembled using the brown gasket (Included in the Package) between Solenoid and Driver.***

***Set-Up Procedure:



Adjustment Screw

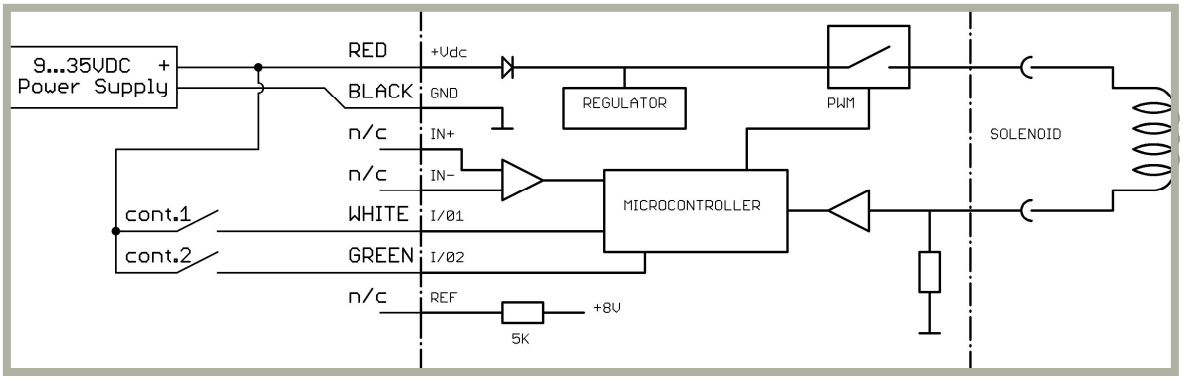
At power up, you may rotate # to the right to read the actual solenoid output current directly in Amps or to the left to read the target set point, in Amps, as selected with the two digital inputs. To enter set-up mode, rotate *; the display will show the settings sequentially: Jg, HI, LO, P3, P4, UP, dn, dF, di and SA. When you reach the setting that you want to modify, rotate # up (CW) or down (CCW) to the desired value. To modify another setting, rotate * and repeat. The driver is fully functional during the set-up procedure with any adjustments effective immediately. In order to write the new settings in the memory and return to normal mode of operation, rotate * until the display shows S A and then rotate #. If you do not want to keep the new settings, simply power down without saving.

*** **Dual channel device rotate through A settings, then B settings**

Operation:

Two Contact Inputs:

⇒ Contact one while closed will cause the output to ramp up to LO setting.
⇒ Contact one while open will cause the output to ramp down to zero.
⇒ Contact two is enabled only while contact one in closed.
⇒ Contact two while closed will cause the output to ramp up, up to HI setting.
⇒ Contact two when opened will cause the output to hold current output valve. Thus making the output infinitely variable using two digital inputs rather than an analog input.



Represents 1 Channel of a Dual Channel System